

ABSTRACT OF THE DISCLOSURE

A motor / generator housed in an annular space formed between an engine side wall and a crank pulley fixed to an end of a crank shaft includes a stator supported on the engine side wall and a rotor supported on the inner surface of a peripheral wall of the pulley. Air is introduced into the annular space via an air inlet passage by means of cooling fan blades formed on a side wall of the crank pulley, and coils are cooled by passing the air through air passages formed between adjacent coils. The entrance of an air gap between the stator and the rotor is shielded by means of shields provided on bobbins so as to prevent any foreign matter from entering the air gap.